

AUTOMATIC PACKET REPORTING SYSTEM

ANAND CHOUDRI, KC2KPG - RARA VICE PRESIDENT

APRS, Automatic Packet Reporting System, is a digital information system for Amateur Radio developed by Bob Bruninga, WB4APR. It can send worldwide bulletins, personal text messages, weather station data and weather alerts, gateways to email and phone texts, and more. It can also be used to display locations of stationary and moving objects.

Jon Dickason, one of the presenters, has personally used it to track animals, high altitude balloons, motorcycles, charity bike ride support vehicles, and for a large, joint law enforcement exercise - police and border patrol boats chasing simulated terrorists smuggling real dirty bomb materials across lake Ontario from Canada. He will show us how it's been used for all these activities, some equipment used for APRS, and some technical information on how it works. Don Kiser, AC2EV will show us how we can get started doing it ourselves and will show some options and resources that we can use to build our own APRS system.



DECEMBER 2016
VOLUME 69, ISSUE 4

INSIDE THIS ISSUE

MONTHLY PROGRAM	1
PREZ SEZ	2
CALENDAR OF EVENTS	2
SKYWARN RECOGNITION DAY	4
EXCITEMENT OF HF OPERATION	5
RAGS OF THE PAST	7
VE TEAM	8
RARA CALENDAR	9
NEWS AREA FROM CLUBS	10
FOR SALE	12
AMATEUR'S CODE	13
WEBSITE INFORMATION	13
RARA MARKETPLACE	14
RARA OFFICERS	16
AREA CLUB CONTACTS	17

PREZ SEZ

FOREST SHICK, WA2MZG—RARA PRESIDENT

Auction

I heard the auction was a successful event and lasted almost till midnight. The club raised \$906 from the auction. When the auction ended, it was 4AM where I happened to be. We had a family wedding south west of London, England. But I thought about all the fun as members of the board swapped emails in preparation for the auction

I hope everyone had a good time selling and purchasing whatever they needed. I always enjoy the auction, just seeing what other hams have accumulated over their years as hams and compare it to my inventory of stuff and more importantly to see the “happy” faces on the people who make purchases.

You might consider the auction as the first sign of winter or the beginning of the indoor radio season:

- Time to get on the air more.
- Time to start building projects.
- Time to renovate the shack.
- And of course, time for antenna work.

Antenna work? Who works on antennas in the winter?

Back in January 1970, it was my first year at Indiana Institute of Technology, I had just earned my Technician license. Over Christmas break, one of the radio club members assisted by his wife (they were both hams) had erected a 100 ft. tower for our VHF antennas. When we returned to school in January, we began preparing for the January VHF contest. We patiently waited for the temperature to warm up to 0°F. THEN we put up the VHF and UHF antennas. The perfect time, a sunny “warm” winter day in Fort Wayne, Indiana.

Antennas

Thinking about antennas, we have a special guest author and former RARA member, Joel Hallas, W1ZR. Joel writes the column “The Doctor Is In” each month in QST. In this issue of the RAG we have an article by Joel titled “An Introduction to the Excitement of HF Operation is at Hand!” Joel, Thank You for the article.

Contests

Winter is also a good time to lock yourself in the shack and warm your hands over the heat radiating from your amplifier as you participate in the many winter contest. The ARRL 10 Meter contest is a good place to start as Joel points out, Dec 10 & 11. If you are in to digital modes try the ARRL RTTY Roundup the beginning of January, the 7th & 8th, I believe. For those brave souls, there is Straight Key Night on January 1st and the January VHF contest on January 21 - 23.

Ham Radio Parity Act

For the benefit of all hams, but especially hams that reside in situations where an outdoor antenna is nearly impossible to erect because of HOAs, be sure to support the ARRL’s effort to improve the situation. Click the following link and follow the instructions to send a letter to your Senator in support of the Ham Radio Parity Act.

<https://arrrl.rallycongress.net/ctas/urge-us-senate-to-pass-amateur-radio-parity-act>

This is an important and simple way to help your fellow hams.

CALENDAR OF EVENTS

DECEMBER 7TH - RARA General Meeting

7:00 PM at BSA Headquarters, 2320 Brighton Henrietta Town Line Rd

DECEMBER 8TH - RARA Board of Directors

5:30 PM at BSA Headquarters, 2320 Brighton Henrietta Town Line Rd

DECEMBER 17TH - RARA VE Testing

10:00 AM RIT Gleason Hall, Room 9-3139

Winter Projects

I was reading the Dec 2016 / Jan 2017 issue of Mother Earth News. It had some interesting articles in it such as bread recipes. I really like homemade Italian bread like my grandmother made. BUT, there was a unique idea in this issue. Someone had converted an old wheelchair in to a mobile work bench – Wheelchair Workstation. HMMM – Workstation – Ham radio station!

What an interesting winter project – convert an old wheelchair to a portable / mobile station.

Consider how handy it might be on Field Day. You build your station into the wheelchair and roll it to your operating location. Everything is all wired, tested and ready to go.

Maybe one of you will take the challenge and build a wheelchair station and write an article about it for the RAG.

The accompanying picture is from the Dec 2016 / Jan 2017 issue of Mother Earth News, page 87.



Winter

Thinking about winter, RARA's Winterfest is coming on February 18, 2017. More information will be available in the January issue of the RAG but it will be held in Stewart Lodge at Mendon Ponds Park.

Winterfest is a perfect time to share your winter projects with fellow hams. Demonstrate your project, ask for help and advice, brag a little. Sit near the fireplace, enjoy good food and share your ideas. A perfect winter afternoon!

SKYWARN RECOGNITION DAY 2016

Duane Fregoe, K2SI



SKYWARN Recognition Day will be December 3, 2016 (0000 – 2400 UTC). In local terms it is Friday December 2nd, 7:00 PM till Saturday December 3rd, 7:00 PM. National Weather Service offices across the country will be on the air for 24 hours. This special event was started in 1999. The goal is to contact as many weather service offices as possible using repeaters, IRLP, Echolink, and HF. This is a fun event for new hams that may only have a technician license. Many of the weather service offices will be on Echolink and IRLP. The

National Weather Service office in Buffalo will be participating again this year. Look for WX2BUF on Echolink and you can also check in on the 145.110 repeater. Submit your total number of weather service office contacts for a certificate from the National Weather Service. More information is available from: <http://www.wrh.noaa.gov/mtr/hamradio/>



Hams serving Hams
We speak your language... QSL?

- * **FREE** home relocation and property search services
- * **FREE** valuation and financing consultations

- Estate Liquidation - Downsizing - or just a change of scenery...

*Whatever your real estate needs are, call:
Frank (WB2PYD) or Lisa (K2BGR)*

Lisa Schramm (K2BGR)
Licensed Real Estate Salesperson
LSchramm@KW.com
585.756.3185

Frank Schramm (WB2PYD)
Realtor
Licensed Real Estate Salesperson
Certified Financing Specialist
FSchramm@KW.com
585.362.8564

Keller Williams Realty Greater Rochester
2000 Winton Rd South Building 1-201
Rochester, NY 14618



AN INTRODUCTION TO THE EXCITEMENT OF HF OPERATION IS AT HAND!

Joel R, Hallas, W1ZR

While many think of our entry level license classes as primarily for “VHF and up,” it is important to remember that 10 meter operation is permitted using SSB on 28.3 to 28.5 MHz, as well as CW or digital modes from 28.0 to 28.3 MHz.

The 10 meter amateur band is right below the boundary between HF and VHF, and has some of the characteristics of each. As with 6 meters, medium range (500-2000 miles) communication is frequently provided via ionospheric E-layer “clouds,” called “sporadic-E propagation.” While during peak sunspot periods 6 meters enjoys longer range F-layer propagation, 10 meters is much more likely to have world-wide openings.

The interesting thing, to me at least, about 10 meters is that a quick listen to the band might result in no stations heard. My suspicion is that many hams do that and everyone concludes that the band is dead. The upcoming ARRL 10-Meter Contest (The second weekend in December; for 2016, December 10-11, UTC) provides a unique opportunity with lots of signals on the band. In my experience the band seems to be open to somewhere most of the daylight hours, and with lots of people on, it is easy to tell what’s really happening.

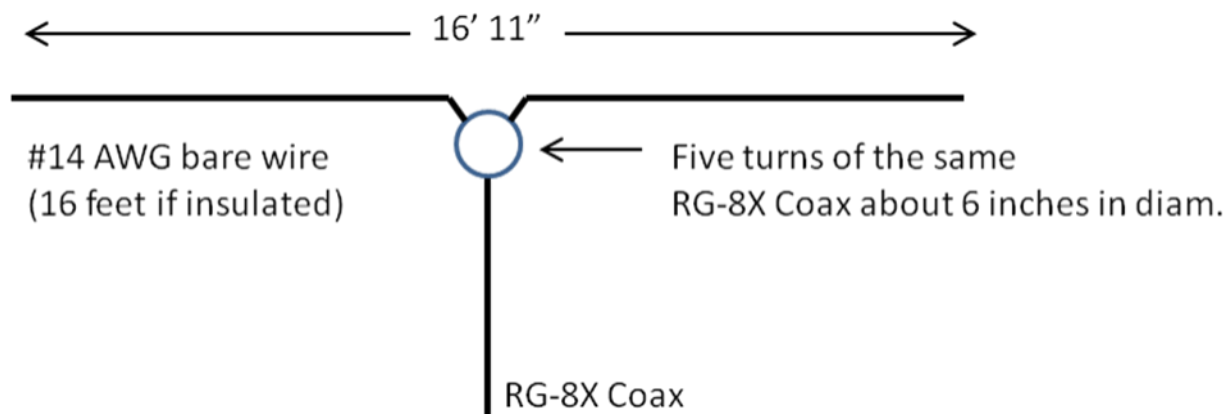
A nice thing about 10-meter openings is that when the band is open, the signals are really strong. Thus, it doesn’t take a big station to make many contacts, and you will be amazed at how loudly that New Zealand station booms in when the band is open in that direction. The usual 100 W transceiver for SSB or CW and a simple dipole or ground-plane antenna is plenty. Keep in mind that a 10-meter dipole is only about 17 feet long, and if it’s 20 feet above ground, that’s more than 1/2 wave length high – plenty for lots of long-range contacts.

The contest is simple. Just give the other station a signal report (5 × 9 is the standard report for contests) and your state, and then write down the other station’s info. If you are talking to a station from outside the US, they will send their signal report and a sequence number. For all the details, check the ARRL website at www.arrl.org/10-meter. **Remember, midnight on Dec 10, is 7 pm EST Friday, December 9 for us.** Make sure that you keep your log in GMT, in case you want to get those great DX QSL cards!

I hope you will give it a try, and I look forward to seeing you there!

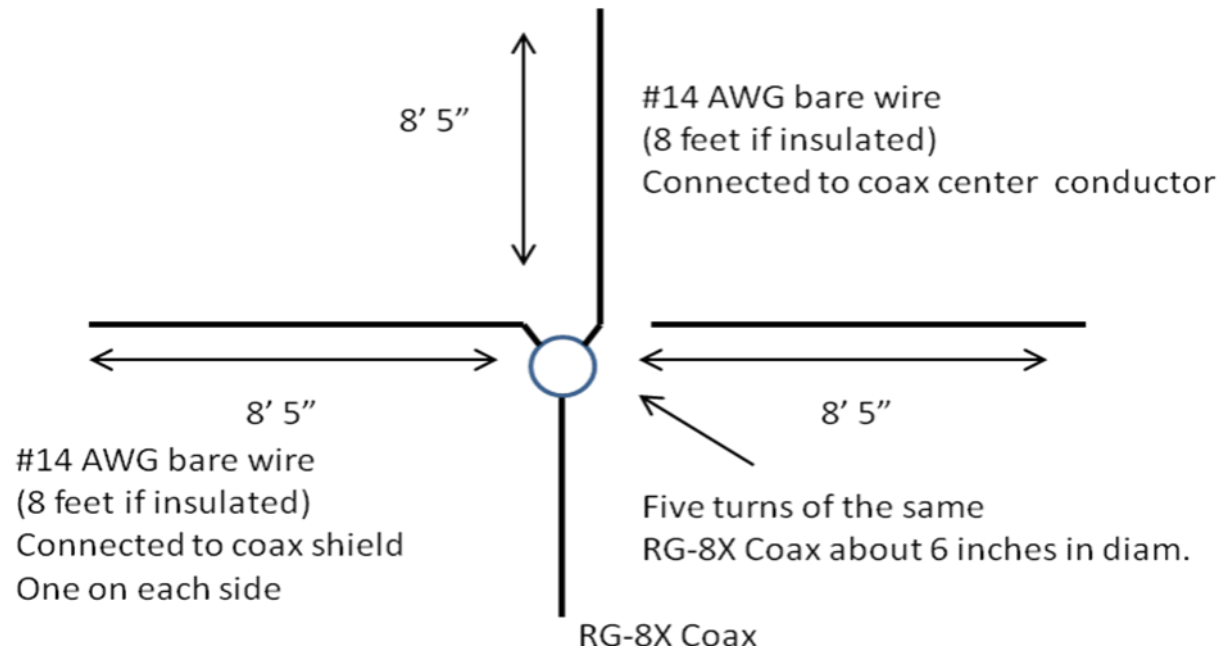
73, Joel

A Simple 10-Meter Wire Dipole



Best if at least 15 - 20 feet above ground

A Simple 10-Meter Wire Vertical Ground Plane



Base can be just a few feet above ground

Silent Key

Natale G. Minosh
WB2LJG
October 26, 2016

Silent Key

John E. Graham
N2DFN
December 1, 2011

RARA RAGS OF THE PAST

Ed Gable, K2MP – RARA Club Historian



the **RARA RAG**

Published by
ROCHESTER AMATEUR RADIO ASSOCIATION, INC.

VOL. 49

December 1996

NO. 4

DECEMBER 6 MEETING AT KODAK-ELMGROVE TO FEATURE INTRODUCTION TO SATELLITES

December is almost here and time again for our annual meeting at Kodak-Elmgrove. There will be a talk-in frequency to help those who have a problem finding the meeting site on 146.58 MHz simplex or 444.75+ repeater. There is also a map on the back page to refer to for further assistance if it is needed.

The December meeting will feature an introduction to the amateur use of communication satellites orbiting the earth. Walter Obenhofer, NQ2O, will visit us and share his expertise and knowledge on this fascinating subject. Satellite use is growing in popularity and is not all that difficult to participate in. Walter will demonstrate to us how it is all done and how we can get involved as well. Many great long distance contacts can be made using these miracles of modern technology and can be a lot of fun as well. Walter will also discuss the Phase 3D satellite project which he is very much a part of over the last few years. Here is an opportunity to learn about a very interesting aspect of our hobby that shouldn't be missed. Because the meeting will be at the Kodak-Elmgrove facility, it will not be practical to attempt a live demonstration. Instead, there will be a brief video that Walter and I are going to show, demonstrating how satellite contacts are made. Some of you may find that satellite work isn't as difficult as you may have thought. Come and see this very exciting presentation and learn how easy it really is. Hope to see you all there.

George F. Lloyd, N2UIO RARA Vice President

RaRa Hotline

(716) 442-0587

24 hours a day

RaRa-Kodak MEETING

December 6, 1996

8:00 P.M.

Kodak Elmgrove

See map on back page.

Introduction to Satellites

RaRa Amateur Radio License Testing

**Novice - Tech - Tech Plus
General - Advanced - Extra
or**

**Whatever Elements you need
to complete a license class.**

Saturday, December 21, 1996

Registration - 8:30AM

Testing - 9:00AM

**Social Services Building
111 Westfall Rd., Rochester
Inquires (716) 334-4488**

VE TESTING

Join us on Saturday, December 21, 1996 at 111 Westfall Road for new license or to upgrade. Registration starts at 8:30AM. Exams start at 9:00AM.

Next Rag Deadline

December 13, 1996

20 YEARS AGO, DECEMBER, 1996

George Lloyd, N2UIO, RARA VP and Program Chairman, wrote to invite members to the next meeting, this time hosted by the Kodak-Elmgrove Amateur Radio Club. The program featured Walter Obenhofer, NQ2O, (sk) a recognized expert in Amateur Satellite operations telling all how to get involved with satellite work. Walter further gave breaking news on AMSAT's brand new Phase 3D Satellite program that promised to give access to orbiting birds for many hours of the day. A nice touch was that RARA provided a 2 meter FM simplex frequency for those needing direction to Elmgrove's building 1. Coincidentally, it was reported that the most successful amateur satellite to date, OSCAR 13, was reported in trouble as its orbit was decaying. Oscar 13 was the so called DX satellite as world-wide QSO's were common place. Experts gave it another week at the most before it burned up in the atmosphere. Amateurs across the country were eagerly awaiting the release of a new Hollywood film featuring a ham radio Theme. The movie *Frequency* brought mixed reviews. The most talked about feature had nothing to do with the plot, but rather a scene where a microphone was plugged into the headphone jack of a receiver and used to transmit a crucial message. Tsk Tsk. From the Want Ads you could buy a self supporting 50 foot aluminum vertical antenna from Al Wise, N2AL. Patrick Moyer, N2AIW, Attorney & Counselor-at-Law, remained a long time advertiser.

40 YEARS AGO, DECEMBER , 1976

Ed Gable, W2MPM, RARA VP and Program Chairman, wrote to invite members to the next meeting, this time hosted by the Kodak Park Amateur Radio Club. (Sound vaguely familiar?) Coordinated by Earl Kalbfleisch, WB2BJE, VP of the Kodak Park ARC, the program was all about the Instrument Landing System at the Monroe County Airport. The speaker was Mr. Tom Quinnan, of the FAA, who was the Engineer-in-Charge of the system. A front page article introduced the expanded three day Rochester Hamfest to be held May 20-22, 1977. This issue announced the closing of the FCC Canandaigua Monitoring station. Gone will be full time staff and HF monitoring and direction finding. RARA member Richard Holbert, K2HZ, would remain as acting Engineer-in-Charge of the mostly automated and remote controlled station. At the same time, Mr. Ed Sanders, W2VM, who spent 39 years with the FCC, announced his retirement from the Canandaigua post. Ed Valmore, K2EVJ, writing for the Rochester VHF Group, introduced Andy McCaskey, WA4MTP/2, as speaker for the group leading a discussion on the January VHF Contest entry plans. VHF Groupers, as they liked to be called, at that time met at the Monroe County Farm and Home Center on Highland Avenue. There were no Want Ads in this issue but you could count on Tire World of Greece, Ray Roberts WA2SSU, proprietor, remaining a long term advertiser.

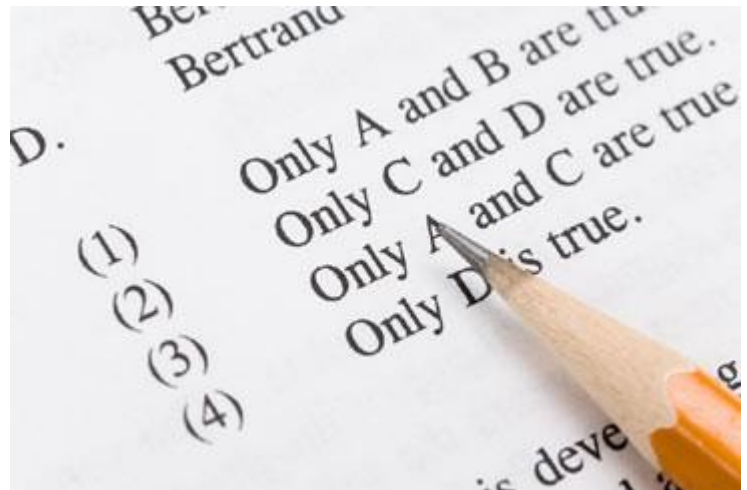
VE TEAM

The next **ALWAYS FREE** testing session:
December 17, 2016 (Third Saturday)
Rochester Institute of Technology
Kate Gleason College of Engineering
Gleason School of Engineering, Room 3139
Building 9
Use "J" parking lot
Registration at 9:45AM
Testing begins at 10:00AM
You do not have to preregister.

To avoid giving your SSN go to:

<http://wireless.fcc.gov/uls/index.htm?job=home>

Register and bring the resultant FRN.



For more info:

<https://www.laurelvec.com/?team=RARA>

Don Kiser - AC2EV
RARA Board member
VE Team Leader
585-613-1035

Ryan Portocarrero	KC3IDM	T	Robert Gibney	KD2MGQ	T
Leonard Ippolito	KD2MGK	T	Kyle Mott	KD2MGF	T
Jack Wilson	KD2MGL	T	Austin Bodzas	KD2MGG	T
Matthew Mott	KD2MGM	T	Marcus Labarbera	KD2MGH	T
Christopher Kirchbaum	KD2MGN	T	Persel Matthew	KD2MGI	T
Segev Zaretsky	KD2MGO	T	Peter Whitmore	KD2MGJ	T
Amber Dubill	KD2MGP	T			

New licensees names are in BOLD

RARA CALENDAR

Tim Barrett, K9VB

December 2016						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1 NRAU 10M Activity Contest NCCC Sprint QRP Fox Hunt	2 ARRL 160M Contest	3 ARRL 160M Contest
4 SARL Digital Contest 10M RTTY Contest ARRL 160M Contest	5 ARS Spartan Sprint	6 QRP Fox Hunt Phone Fray	7 RaRa Monthly Meeting 7:00pm, BSA HQ, 2320 Brighton Henrietta TL Rd CWOps Mini CWT Test	8 RaRa BoD Meeting 5:30pm, BSA HQ, 2320 Brighton Henrietta TL Rd NCCC Sprint QRP Fox Hunt Phone Fray	9	10 ARRL 10M Contest SKCC Sprintathon International Naval Contest AWA Bruce Kelley 1929 QSO Party
11 ARRL 10M Contest SKCC Sprintathon International Naval Contest AWA Bruce Kelley 1929 QSO Party	12	13 QRP Fox Hunt Phone Fray	14 SIARC 7.30pm CWOps Mini CWT Test	15 NCCC Sprint QRP Fox Hunt Phone Fray	16	17 AWA Bruce Kelley 1929 QSO Party
18 AWA Bruce Kelley 1929 QSO Party	19	20 RDXA 7.30pm QRP Fox Hunt Phone Fray	21 CWOps Mini CWT Test	22 NCCC Sprint QRP Fox Hunt Phone Fray	23	24
25 RAEM Contest	26 RMSC Holiday Science & Technology Days DARC Christmas Contest	27 RMSC Holiday Science & Technology Days QRP Fox Hunt Phone Fray	28 RMSC Holiday Science & Technology Days CWOps Mini CWT Test	29 RMSC Holiday Science & Technology Days NCCC Sprint QRP Fox Hunt	30 RMSC Holiday Science & Technology Days	31 AGB New Year Snowball Contest

Print this calendar and leave it by your radio.

SAVE THE DATES

Winterfest - Saturday February 18, 2017 - Mendon Ponds Park, Stewart Lodge

Picnic - Saturday July 8, 2017 - Mendon Ponds Park, West Lodge

Banquet - Friday September 22, 2017- Burgundy Basin Inn

NEWS FROM AREA CLUBS

MONROE COUNTY ARES / RACES NEWS

The Monroe County Amateur Radio Emergency Service, Inc. holds its meetings on the fourth Thursday of each month. Anyone interested, members and non-members, are welcome to attend.

There will not be a meeting in December. See you January 26th, 2017.

The next ARES Meeting will be held on: **Thursday, January 26, 2017, at 7:00 PM.**

Meetings are held at the **Greater Rochester Chapter of the American Red Cross HQ, 50 Prince Street, Rochester, NY 14607.** (Located behind the Rochester Auditorium Theatre, 885 Main St. E.)



ARES NET: Monroe County ARES/RACES meets on the air every Thursday of the month at 8:00 pm, on the 146.61 MHz (-) 110.9 Hz PL repeater. The only exception to that are nights when we hold our regular meeting, generally on the 4th Thursday of the month.

WEB: www.monroecountiemcomm.org

Severe Weather Alerts:

Winter brings severe weather in the form of heavy snow and strong winds. If you experience severe weather, especially when accompanied by damage to property in your area, listen to your local ARES/RACES repeaters for information. While official ARES/RACES activation could be a possibility, it is more important that we open a spontaneous net simply to share information about weather conditions in your immediate area. Don't wait for someone else to do it. Pick up the microphone and start a net. Have each check-in station give you a situational awareness report and emergency power report. If you don't have a copy of the directed net protocol, you can find one at the WEB address listed above. (Activities/ARES Net/ Net Script/ Downloads)

NBEMS: Want to learn about Narrow Band Emergency Messaging System (NBEMS)? It's the latest and easiest way to "Go Digital!" Bring your laptop computer and 2-M handheld transceiver. We will conduct an NBEMS clinic after every meeting through June 2017.

ROCHESTER RADIO REPEATER ASSOCIATION, RRRRA

The Rochester Radio Repeater Association, RRRRA invites you to attend its December 16, 2016 meeting. Meetings are held on the 3rd Friday of the month in the Pittsford Town Hall Basement starting at 7:30 PM.

RRRA's December meeting is unique in that we either get together as a group for dinner or we have a regular meeting. If members would like getting together for dinner let me, N2HJD, know so I can make plans. If you have a location in mind let me know that also. I can be contacted through the web site or on my repeater Megaplex. If I get a poor response I will reschedule our canceled digital radio presentation for December's meeting. I will send out a general email to the membership concerning RRRRA's December plans.

The RRRRA officers for 2016 - 2017 are Bob Odell, N2BZX-President, Bob Shewell, N2HJD-Vice President, ED Wilkonski, KC2WM-Secretary, and Bob Smith, NS2B-Treasurer / Membership Chairman.

RRRA also accepts donations to the club. If you are not currently a member and want to support RRRRA, you can join at our monthly meeting or on our web site www.k2rra.org

ROCHESTER VHF GROUP

The Rochester VHF Group holds monthly meetings on the second Friday of the month between September and June. Meetings begin at 7:30 PM and are held at the Spencerport Wesleyan Church, 2653 Nichols St. (NY Route 31) in Spencerport. Visit our website www.rvhfg.org for details.

The Rochester VHF Group sponsors an informal On-Air Net every Monday at 2100 local time on 144.260 MHz USB and a 6 Meter Net every Thursday at 2100 local on 50.200 MHz USB.

More club information can be found by visiting www.rvhfg.org or just calling in any Monday or Thursday night. All are welcome to check in to these nets.

ROCHESTER DX ASSOCIATION, RDXA

Meeting: No meeting in December

Annual Holiday Dinner on December 20

See website for details.



XRX AMATEUR RADIO CLUB

The next meeting of the XRX Amateur Radio Club will be 6PM Thursday December 8 at the Webster Recreation Association. Details at <http://xarc.us>

SQUAW ISLAND AMATEUR RADIO CLUB, SIARC

The Squaw Island Amateur Radio Club (SIARC) meets every second Wednesday of the month at 7:30PM at the Ontario County Safety Training Facility, 2914 County Road 48, Town of Hopewell. We have License Exam Testing every other month which begins at 6:30PM. The next meeting will be on the first Wednesday, December 7th, at 7:30PM. This will be our annual Christmas Party and will be held at the AWA (Antique Wireless Association) Facility on RT 5/20 in Bloomfield, NY. The club will supply Pizza and Drinks. Please bring an Appetizer or Desert to pass.
73's Steve Benton VP SIARC WB2VMR

AMATEUR RADIO ASSOCIATION OF THE SOUTHERN TIER

ARAST meets the third Thursday of every month at the Town & Country Fire house in Horseheads. C-CARES meets the first Tuesday of the month except February. C-CARES covers the entire area in Chemung, Schuyler and Steuben Counties and everyone is welcome.

ARAST will take some time off this month (December) to have a Christmas party. On the third Thursday of the month we will have the annual Christmas get together at the Masonic Lodge in historic Hanover Square in Horseheads. We will meet again at the Firehouse in January.

Don't forget to mark your calendars for next year's hamfest September 30, 2017 located at the Chemung County Fairgrounds in Horseheads, NY.

Our website is undergoing construction however I understand that until the re-write is complete, it will still be usable. So go ahead and check out our website at www.arast.org.

COMMUNITY AMATEUR RADIO CLUB, CARC

If you are interested in being a part of this forward thinking and active club, visit us at a meeting or join us on one of our weekly nets. We meet at the Hoag Library (134 S. Main St. Albion, NY) on the first Saturday of each month at 7pm. Each meeting has a brief training/refreshers period with upcoming topics including: net protocol, repeater set-up/maintenance, and digital signaling. The club holds a net every Sunday evening at 8pm (winter) and 9pm (summer) - 0100 UTC Monday - on 147.585 simplex, and we host the Thursday Night Social Net, Thursday at 8:30pm on 147.285+. We'd love to hear you check-in! Take a look at the club website for more info: www.k2srv.org

DIGITAL COMMUNICATIONS ASSOCIATION OF PERINTON, DCAP

DCAP members continue to experiment with leading edge digital communications modes. We were formed in 1994 to foster the development of local and regional packet radio networks using AX25 and TCP/IP. Today we have members using the club sponsored DSTAR repeater (KB2VZS on 444.8MHz), several personal and public [DSTAR hotspots](#) (using the dvprtr board), Yaesu fusion systems on non-club repeaters and DMR. The last mode is being enjoyed locally through a [DV-Mega-Raspberry Pi](#) combination. DCAP meets for breakfast at 7am nearly every Saturday morning at [Rikki's Family Restaurant](#) in Fairport and everyone is welcome to join us. Talk in is on the KB2VZS analog repeater on 146.715MHz with a PL of 110.9 Hz.

INTERLOCK ROCHESTER - K2HAX - ROCHESTER'S HACKERSPACE

Interlock Rochester is open every Tuesday night at 7pm. We're in the Hungerford Building (1115 East Main Street, Rochester NY), just north of Village Gate. Come to Door #7 (next to Comics Etc) and buzz Suite 200. Want to know more? Visit our website at <http://www.interlockroc.org/>, contact us at info@interlockroc.org, or find us in [#interlock](#) on Freenode IRC.

Genesee Valley Amateur Radio Association

Next Meeting January 22nd at 6:30 - 6 Court Street Geneseo at Liv Co. Govt Center

Testing January 22nd, at 5:30pm - 6 Court St. Geneseo at the Liv Co. Govt Center

Christmas Get Together - December 18th At the Lumber Yard in Perry.

Email n3dsp@lafireline.net for details if interested.

Merry Christmas and Happy New Year from GVARA

FOR SALE



ENDFEDZ EF-10

10M End Fed Dipole with Manual.

\$25.00

Please contact:

Forest Shick, WA2MZG

fshick3@gmail.com

For any of the above items.



Pelouze PS20DL

Downloadable Digital Postal Scale

\$30.00



3 Parts Cabinets / Drawers

\$20.00

THE AMATEUR'S CODE

Originally written by Paul M. Segal, W9EEA (1928)

THE RADIO AMATEUR IS:

CONSIDERATE	Never knowingly operating in such a way as to lessen the pleasure of others.
LOYAL	Offering loyalty, encouragement and support to other amateurs, local club, and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.
PROGRESSIVE	With knowledge abreast of science, a well built and efficient station and operation beyond reproach.
FRIENDLY	With slow and patient operation when requested, friendly advice and counsel to the beginner, kindly assistance, co-operation and consideration for the interests of others. These are the hallmarks of the amateur spirit.
BALANCED	Radio is an avocation, never interfering with duties owed to family, job, school or community.
PATRIOTIC	With station and skill always ready for service to country and community.

VISIT THE RARA WEBSITE!

Did you know that your club's website (www.rochesterham.org) offers these features and more?

- Photos of meetings & events (you might be in there!)
- Info on upcoming meetings/programs
- Rochester Hamfest information!
- Online membership & renewal
- Track and redeem your Reward Points
- Public service info & sign-up
- VE testing info
- Back issues of the RAG in PDF
- Officer contact
- List of past presidents
- Online membership directory
- Order RARA logo products
- Useful Internet links
- Ham Radio 101 – tons of tutorial info, plus net & repeater listings



RARA MARKETPLACE

Your commercial ad could be here! The RARA RAG can help spread the word on your business at very reasonable rates.

Contact us for details at editor@rochesterham.org.



PROMOTE YOUR BUSINESS WITH RAG ADVERTISING

Ad size and cost:

Business Card	- 2 x 3.5	\$140
Quarter Page	- 4.2 x 3.5	\$300
	- 2 x 7.3	\$300
Half Page	- 4.2 x 7.3	\$600
	- 8.6 x 3.5	\$600

The above prices are **per year** - not per month as is typical in other publications.

Your advertisement will be seen by amateurs in Rochester, Monroe County, New York State, the United States and even the rest of the world. RAG circulation is approx. 8,000.



**Display Your Business
Here For Only
\$140 Per Year**

RARA MARKETPLACE

D-C Roll-Off

483 MT READ BLVD
ROCHESTER, NY 14606



**Display Your Business
Here For Only
\$300 Per Year**

**Pass it forward
by donating your radio
or accessory to RARA.**



We will make sure it finds a good home.

You will get a tax-deductible receipt
and the satisfaction that comes with
doing good for others.

Call 585-210-8910 or email
Secretary@RochesterHam.org.

RARA is an IRS 501.c.3 non-profit

Consult with your tax advisor.



Get your message through!

**Advertise in the RaRa RAG -
Read by over 8,000 radio enthusiasts each month.**

For more information: Editor@RochesterHam.org

RARA OFFICERS

OFFICERS

President: Forest Shick, WA2MZG	(585) 721-1653	wa2mzg@arrl.net
Vice-President: Anand Choudri, KC2KPG	(585) 377-0759	kc2kpg@arrl.net
Treasurer: Ryan Tucker, W2XH	(585) 857-2181	w2xh@ryantucker.us
Secretary: Tim Guyot, KB1POP	(585) 406-3163	timguyot@gmail.com

BOARD OF DIRECTORS

Tim Barrett, K9VB	(585) 582-2108	tim.k9vb@gmail.com
Don Kiser, AC2EV	(585) 613-1035	ac2ev@frontier.com
William Mullaney, KC2VSJ	(585) 749-7363	kc2vsj@arrl.net
Mark Pedersen, KC2UES	(585) 613-4052	mpeder21@gmail.com
Frank Schramm, WB2PYD	(585) 270-1045	wb2pyd@gmail.com
Natalie Tascione, KD2DYV	(585) 698-5102	kd2dyv@rochester.rr.com
Betsy Tascione, KD2DYU	(585) 458-6546	kd2dyu@rochester.rr.com

DEPARTMENT HEADS

Raffle Administrators	Jay Hamill, KC2TCM Sabrina Hamill, WD2STK	
Club Historian	Ed Gable, K2MP	
Club Station Trustee	Jim DiTucci, N2IXD	n2ixd@arrl.net
Education Coordinator	Frank Schramm, WB2PYD	wb2pyd@gmail.com
Hamfest Producer	Your Name Should Be Here	
License Testing Coordinator	Don Kiser, AC2EV	ac2ev@frontier.com
Membership Secretary	Tim Barrett, K9VB	tim.k9vb@gmail.com
Media Communications	William Mullaney, KC2VSJ	kc2vsj@arrl.net
Public Service Coordinator	Jim Stefano, W2COP	w2cop@arrl.net
RARA RAG Editor	Forest Shick, WA2MZG	editor@rochesterham.org
Refreshments Coordinator	Dawn Lepard, KC2VJU	dawn@lepard.ca
Webmaster	Frank Schramm, WB2PYD	wb2pyd@gmail.com

JANUARY RAG DEADLINE

DECEMBER 15, 2016



**RARA meets at 7PM on the
first **Wednesday** of each
month; come join us at:**

Seneca Waterways Council, BSA Headquarters
2320 Brighton Henrietta Town Line Rd
Rochester, New York 14623

Get Directions

Rochester Area Repeater Listing

ROCHESTER AREA RADIO CLUB CONTACTS

Antique Wireless Association (AWA)
Lynn Bisha, W2BSN: lbisha@rochester.rr.com

Community Amateur Radio Club (CARC)
Joe Gangi, AC2NB: ac2nb.carc@gmail.com

Digital Communications Association of Perinton (DCAP)
Gary Skuse, KA1NJL: ka1njl@arrl.net

Drumlins Amateur Radio Club Ltd. (DARC)
Alan Cook, K2MPE: alancook948@gmail.com

Fisherman's Net Amateur Radio Club
Jim Sutton, N2OPS: jim@otrym.org

Genesee Valley Amateur Radio Assn.
Bill Boyd, N3DSP: N3DSP@lafireline.net

Monroe County ARES
Jim DiTucci, N2IXD: n2ixd@arrl.net

Orleans County Amateur Radio Club (OCARC)
Terry Cook, K2EYS: k2eys@ocarc.us

Rochester Amateur Radio Association (RARA)
Forest Shick, WA2MZG wa2mzg@arrl.net

Rochester DX Association (RDXA)
Chris Shalvoy, K2CS: cshalvoy@att.net

Rochester Radio Repeater Association (RRRA)
Bob Shewell, N2HJD: bshewell@frontiernet.net

Rochester VHF Group (RVHFG)
John Stevens, WB2BYP: wb2byp@arrl.net

Squaw Island Amateur Radio Club (SIARC)
Steve Benton, WB2VMR: sbenton2@rochester.rr.com

XRX Amateur Radio Club
Brian Donovan, K2AS: k2as@outlook.com

THE RARA RAG

Published by

Rochester Amateur Radio Association, Inc.
P.O. Box 93333, Rochester, NY, 14692-8333
Hotline – (585) 210- 8910
Website – <http://www.rochesterham.org>